

IDNR Role in Asian Carp Control

Senate Environment Committee
January 21, 2010



ELECTRIC BARRIERS

Scheduled maintenance set for the first week of November 2009.

Action delayed to allow for advanced planning of Response Operations.

Barrier I alone may not be effective in deterring juvenile Asian carp from entering Lake Michigan.



eDNA MONITORING

Water samples from the CSSC during summer and fall revealed Asian carp DNA just below the barrier, and in associated waterways.

No actual Asian carp had been found above the Lockport dam.

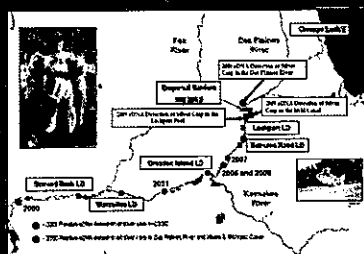
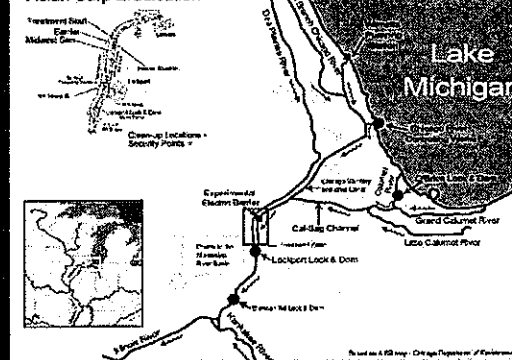
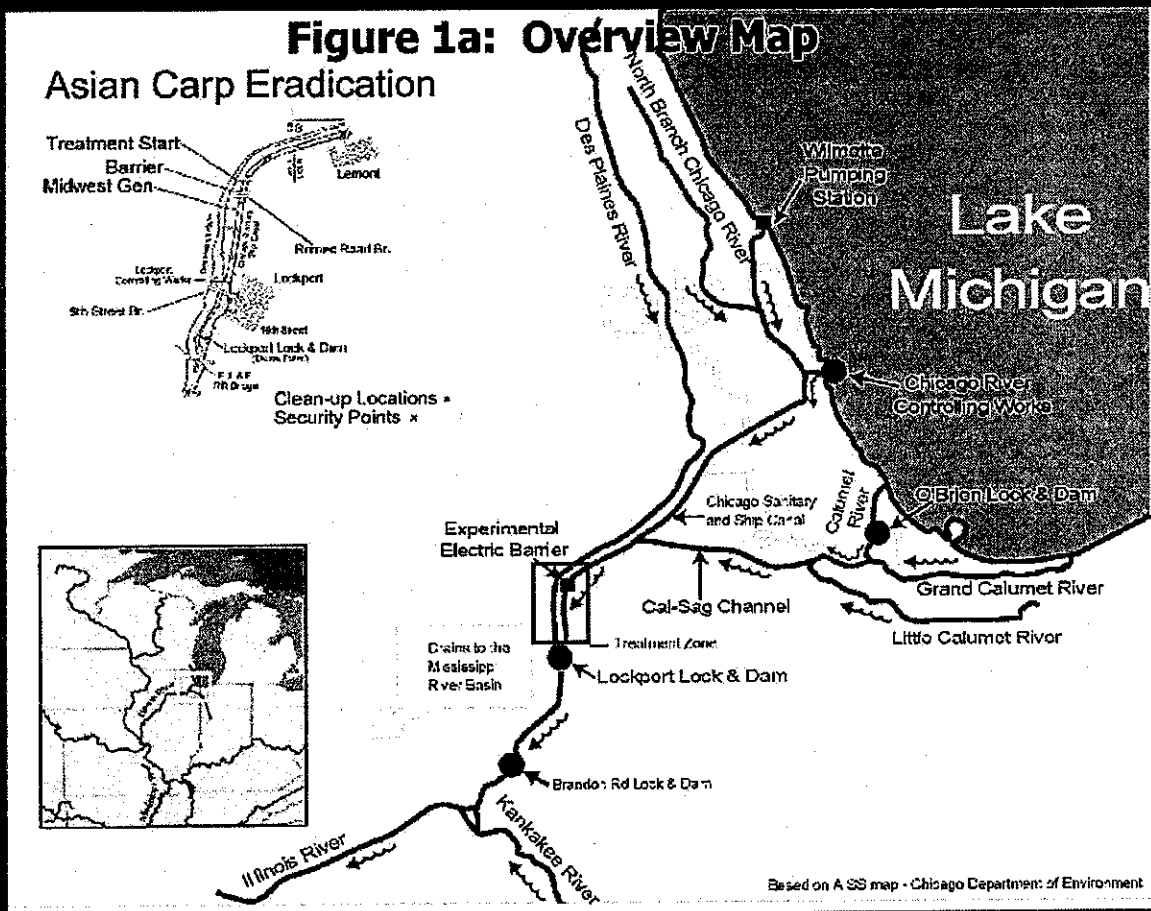
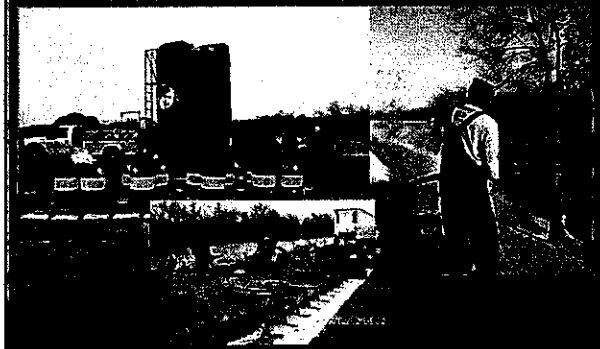


Figure 1a: Overview Map





Building Application Station #1



Delivery System Deployment

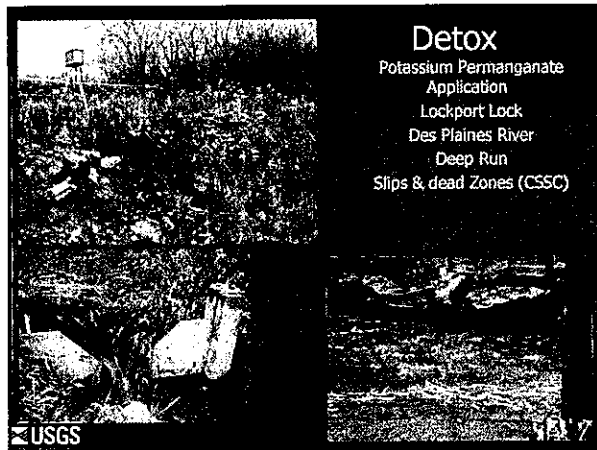


Nets protecting MidWest Gen.

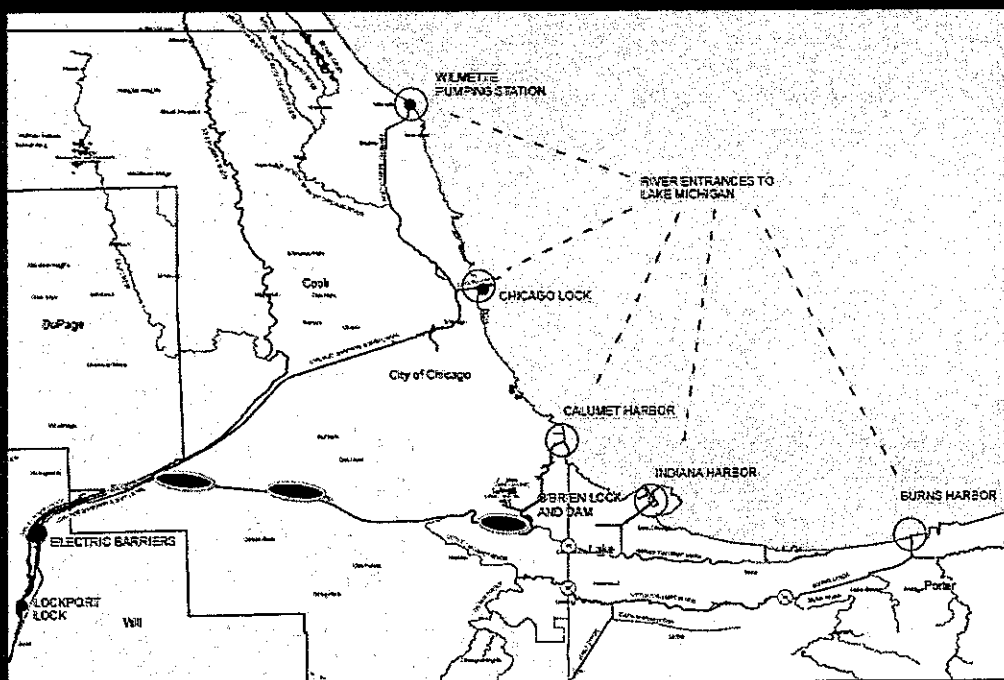


Detox

Potassium Permanganate
Application
Lockport Lock
Des Plaines River
Deep Run
Slips & dead Zones (CSSC)



ADDITIONAL eDNA DETECTIONS



Objective was added to Operation Silver Screen to verify presence / absence of AC near TJ O'Brien.

Total Catch – O'Brien Division

- 19,500 linear feet of trammel net
- Over 1,000 fish captured of 12 species
- 898 were Common Carp

NO ASIAN CARP WERE COLLECTED OR OBSERVED !

Challenges

- Protect Midwest Gen powerplant
- Conduct nighttime Ops
- Health and Safety of Responders
- Limit fish kill to anticipated area
- ICS, Incident Command, Unified Command
- Congressional and Industry inquiries
- Media messaging

Asian Carp Rapid Response Project

FY10 Projected IDNR Budget is \$1,805,950

Fiscal Summary

Expenditures	\$1,793,500
Revenues	\$1,559,875
Net Cost to IDNR	\$ 233,625

Asian Carp Rapid Response Project

Expenditures

IDNR Labor Costs	\$ 702,740
<u>IDNR Procurements</u>	<u>\$1,090,760</u>
Total Expenditures	\$1,793,500

Asian Carp Rapid Response Project

Revenues

USACOE (Reimbursement)	\$ 539,000
USFWS (75% Reimbursement)	\$ 940,875
Quebec, Canada (Donation)	\$ 10,000
Ohio DNR (Donation)	\$ 20,000
Great Lakes Fishery (Donation)	\$ 50,000
Total	\$1,559,875*

*To be deposited in Wildlife and Fish Fund

Asian Carp Rapid Response Project

Estimated Value of Partner Contributions

Michigan (Labor and Chemicals)	\$ 80,025
Indiana (Labor and Expenses)	\$ 11,000
Wisconsin (Labor and Expenses)	\$ 11,500
New York (Chemicals)	\$ 87,750
US Dept. of Agriculture/APHIS	\$ 11,570
Canada (Labor and Expenses)	\$ 14,000
Cook County Forest Preserve District (Labor)	\$ 5,375
Great Lakes Fisheries Com.(Labor and Expenses)	\$ 2,745
Wisconsin Sea Grant (Labor and Expenses)	\$ 3,500
Illinois Incident Management Team (Labor and Expenses)	\$ 10,250
USEPA	\$ 1,100,000
USFWS	\$ 130,000
USCG	\$ 15,000
Total	\$1,482,445

Control Strategy – IDNR Role

- Convene Monitoring and RR Work Group
- Support US ACE in Barrier Maintenance and Lock Operations
- Strategic sampling above barriers
- Limited Rapid Response actions
- Support USCG vessel study
- Contract for removal efforts above and below barriers
- Promote Market development to reduce propagule pressure

Funding Sources

- Great Lakes Restoration Initiative
- Sport Fish Restoration Program
- Great Lakes Fish and Wildlife Restoration Act
- Aquatic Nuisance Species Allocation to USFWS (not yet approved by Congress)